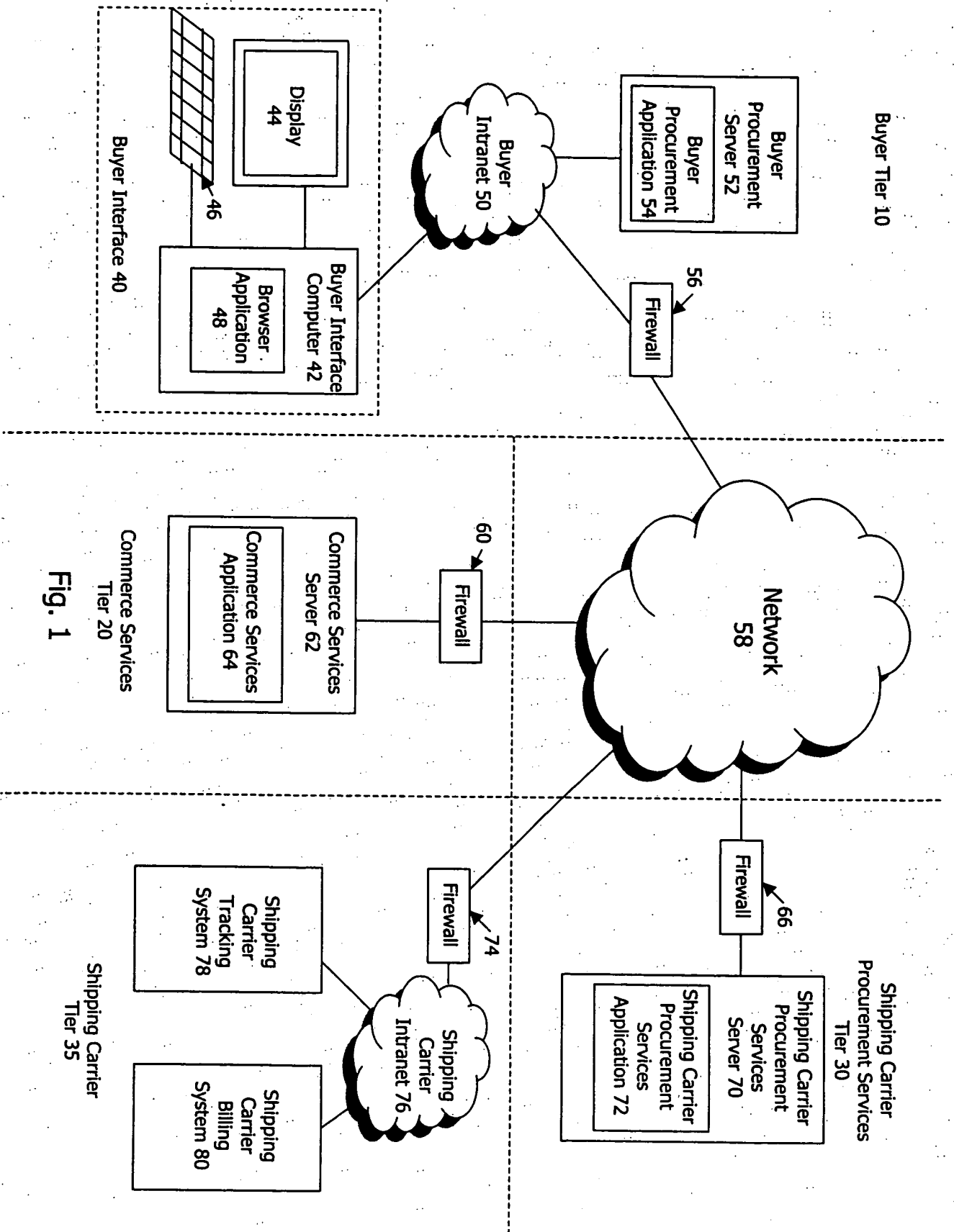Title of Invention: Method and System for Providing
a Shipping Label Via an Electronic Procurement
System
Inventor(s) Name: Mundy
Attorney Docket Number: 18360/269090

Fig. 1

Title of Invention: Method and System for Providing
a Shipping Label Via an Electronic Procurement
System
Inventor(s) Name: Mundy
Attorney Docket Number: 18360/269090

Shipping Carrier
Procurement Services
Server 70

Commerce Services
Server 62

Buyer
Procurement
Server 52

Buyer
Interface 40

Step 1

Step 2

Step 3

Step 4

Step 5

Step 6

Step 7

Step 8

Step 9

Fig. 2

Title of Invention: Method and System for Providing
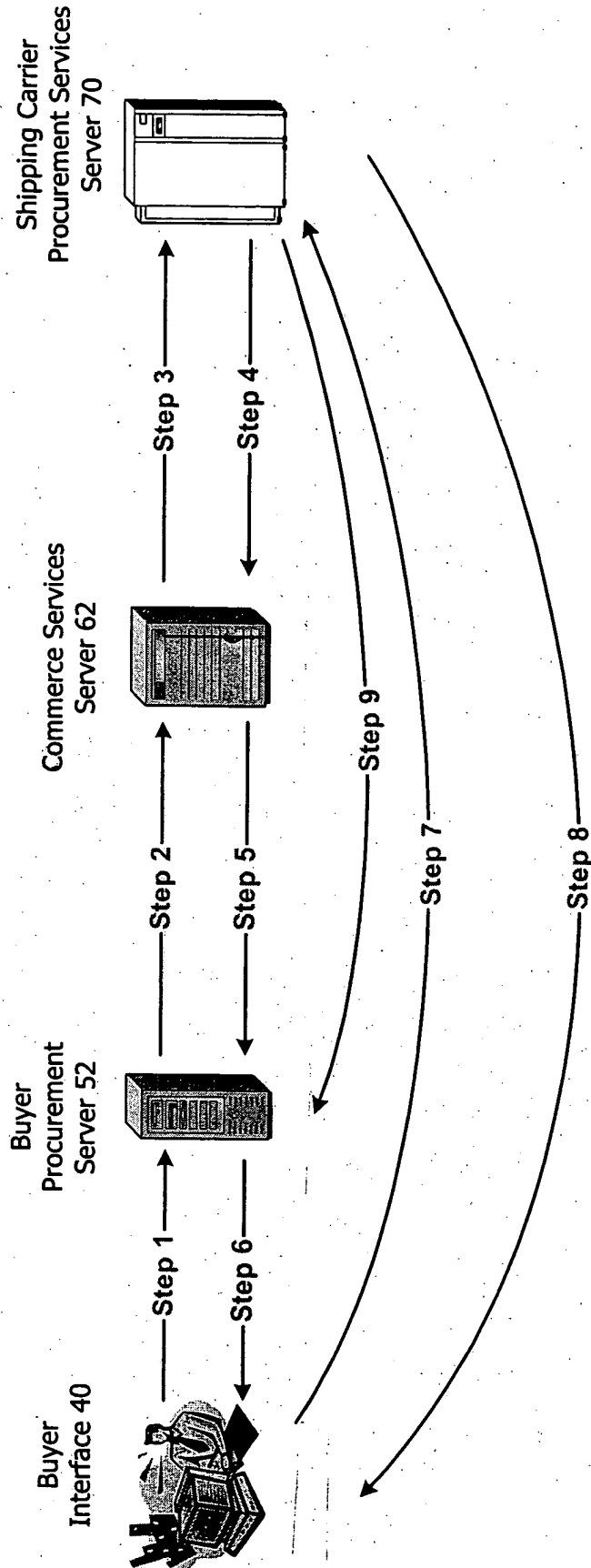a Shipping Label Via an Electronic Procurement
System
Inventor(s) Name: Mundy
Attorney Docket Number: 18360/269090

BACK | FWD | RELOAD | HOME

Location: https://company_procurement_system_url/login 100

**Welcome to the Any Company
Electronic Procurement System
Please login ...**

User Name   janedoe57 105

Password   ******** 110

Submit 115

120

102

48

44

Fig. 3

Title of Invention: Method and System for Providing
a Shipping Label Via an Electronic Procurement
System
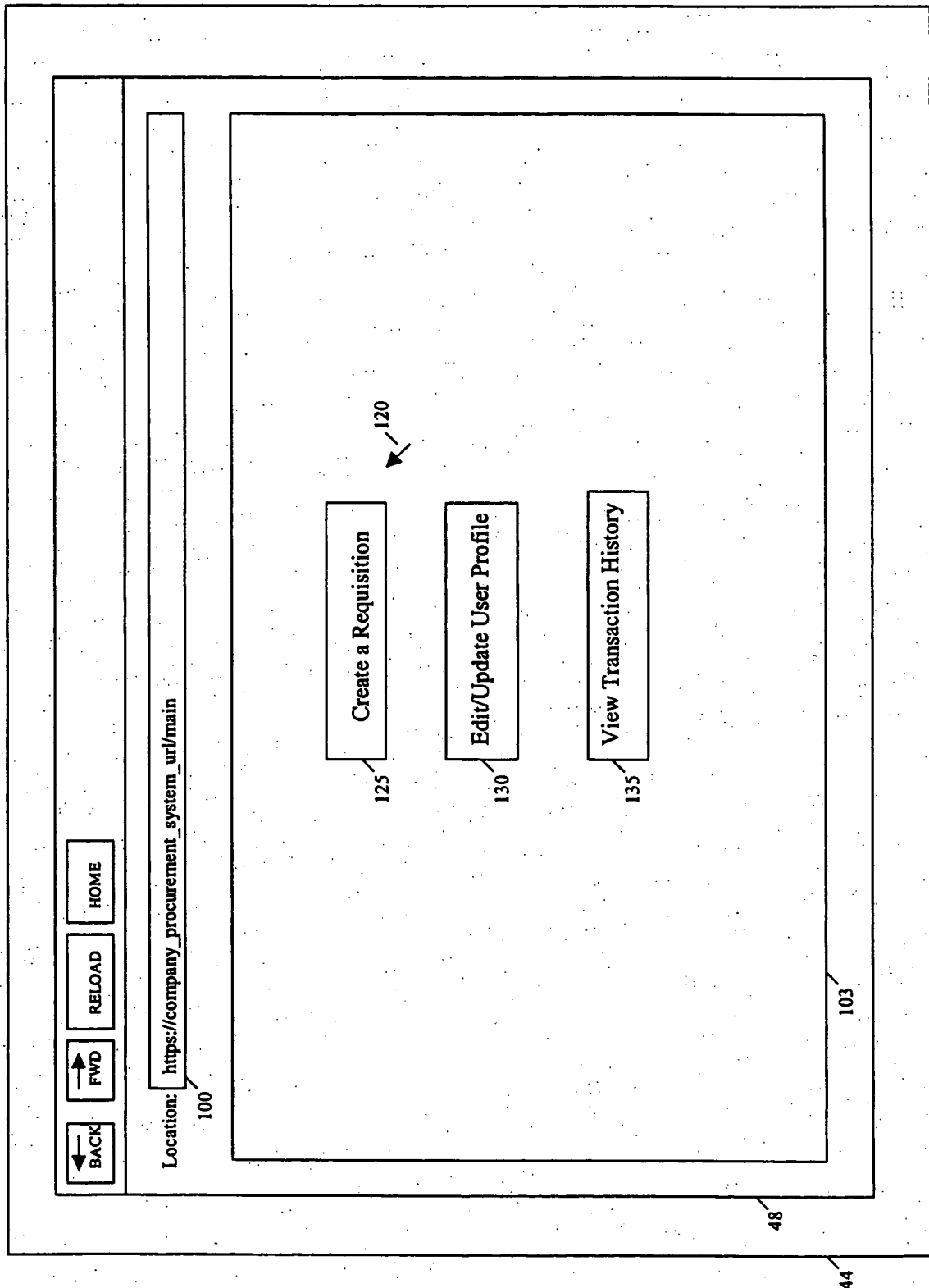Inventor(s) Name: Mundy
Attorney Docket Number: 18360/269090

Fig. 4

Title of Invention: Method and System for Providing
a Shipping Label Via an Electronic Procurement
System
Inventor(s) Name: Mundy
Attorney Docket Number: 18360/269090
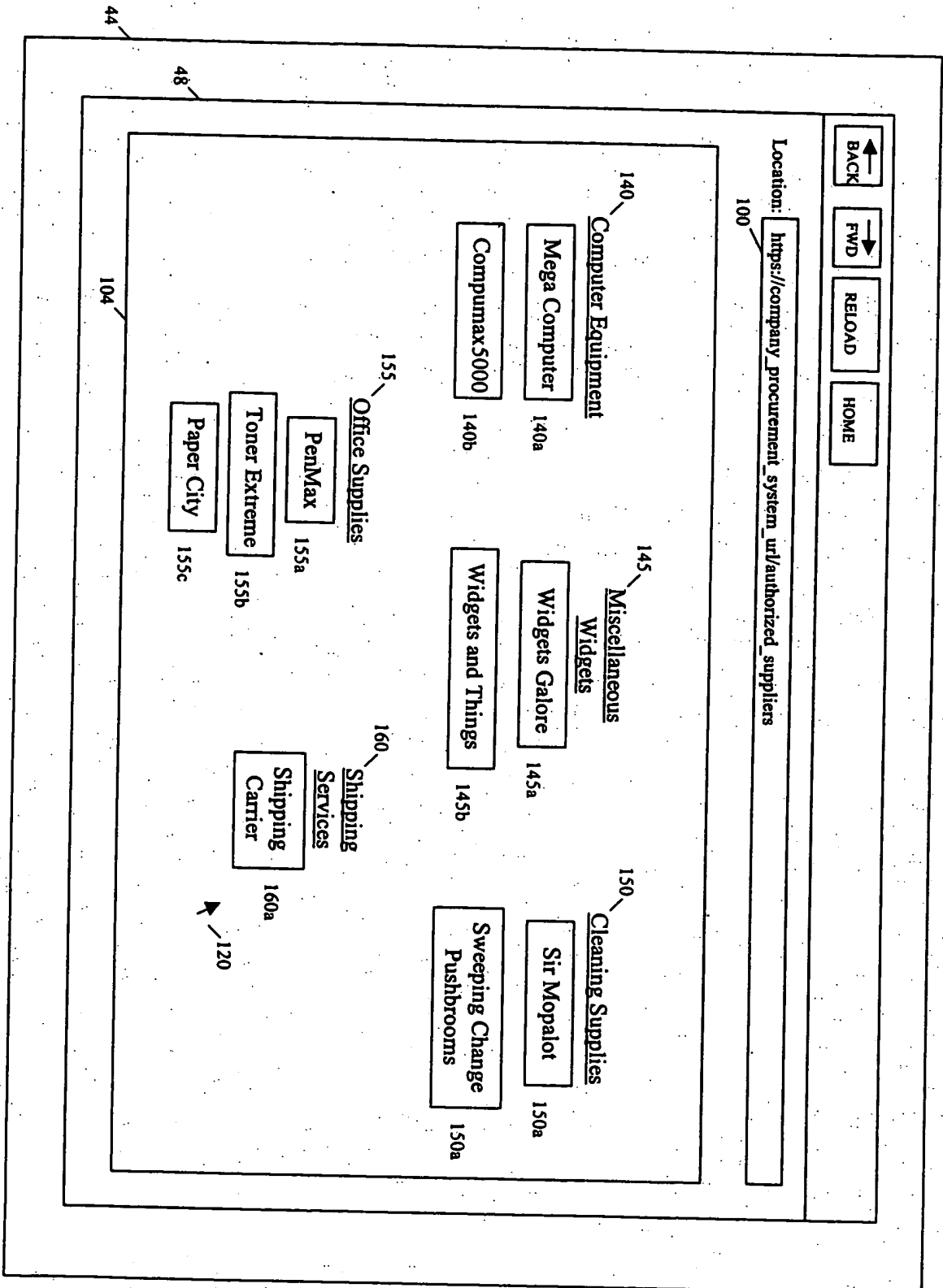
Fig. 5

Title of Invention: Method and System for Providing
a Shipping Label Via an Electronic Procurement
System
Inventor(s) Name: Mundy
Attorney Docket Number: 18360/269090

Commerce
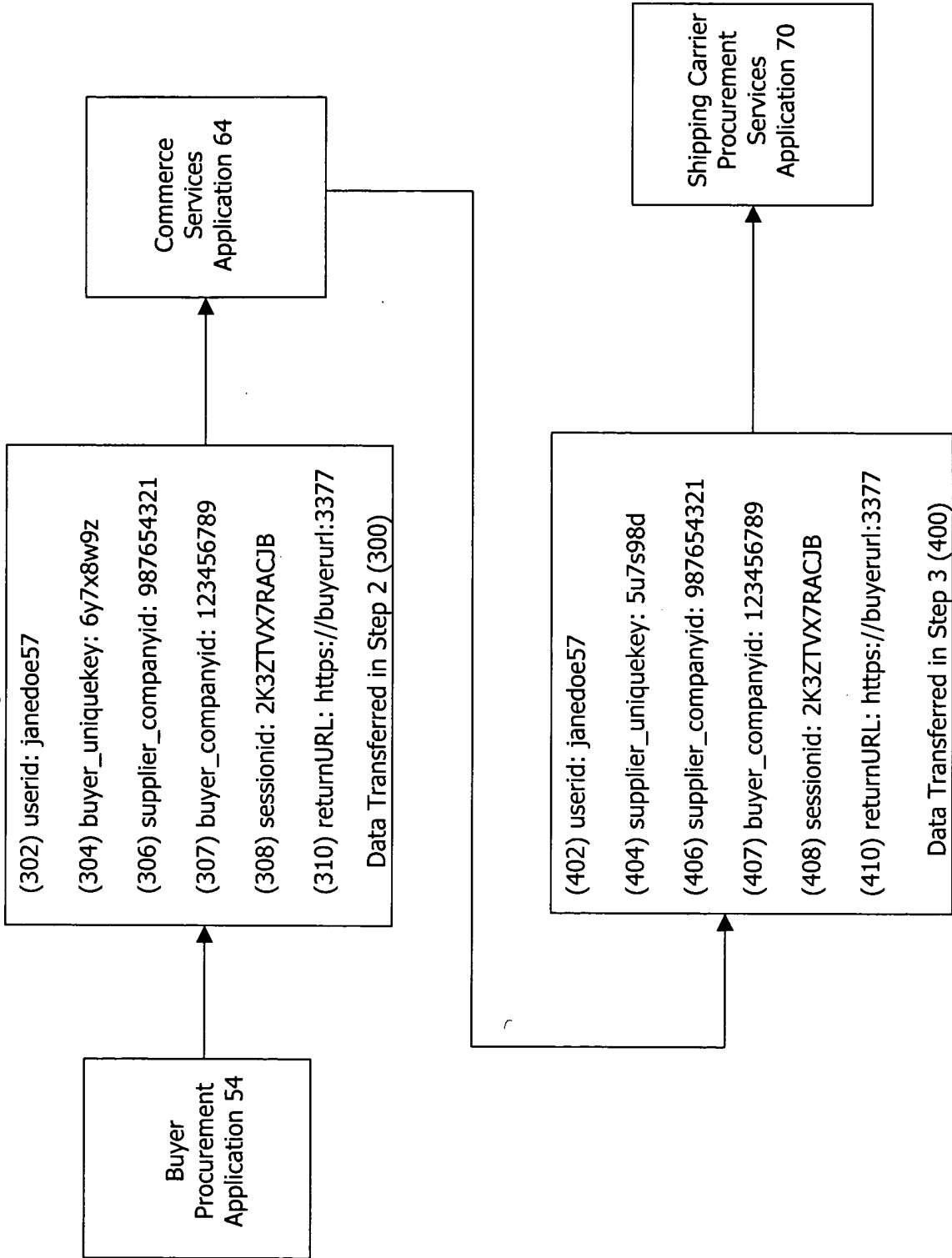Services
Application 64

Shipping Carrier
Procurement
Services
Application 70

Buyer
Procurement
Application 54

(302) userid: janedoe57

(304) buyer_uniquekey: 6y7x8w9z

(306) supplier_companyid: 987654321

(307) buyer_companyid: 123456789

(308) sessionid: 2K3ZTVX7RACJB

(310) returnURL: https://buyerurl:3377

Data Transferred in Step 2 (300)

(402) userid: janedoe57

(404) supplier_uniquekey: 5u7s98d

(406) supplier_companyid: 987654321

(407) buyer_companyid: 123456789

(408) sessionid: 2K3ZTVX7RACJB

(410) returnURL: https://buyerurl:3377

Data Transferred in Step 3 (400)

Fig. 6

Title of Invention: Method and System for Providing
a Shipping Label Via an Electronic Procurement
System
Inventor(s) Name: Mundy
Attorney Docket Number: 18360/269090

```
<?xml version="1.0"?>
<!DOCTYPE cXML SYSTEM "http://xml.cxml.org/schemas/cXML/1.1.009/cXML.dtd">
<cXML payloadID="070403.654321.842136@anycompany.com " timestamp="2003-07-
04T11:53:06-07:00">
<Header>
    <From>
        <Credential domain="DUNS">
            <Identity>123456789</Identity>
        </Credential>
    </From>
    <To>
        <Credential domain="DUNS">
            <Identity>987654321</Identity>
        </Credential>
    </To>
    <Sender>
        <Credential domain="NetworkID">
            <Identity>AN010000004321-T</Identity>
            <SharedSecret>6y7x8w9z</SharedSecret>
        </Credential>
        <UserAgent>Ariba Buyer</UserAgent>
    </Sender>
</Header>

<Request>
    <PunchOutSetupRequest operation="create">
        <BuyerCookie>2K3ZTVX7RACJB</BuyerCookie>
        <Extrinsic name="User">janedoe57</Extrinsic>
        <BrowserFormPost>
          <URL>http:// buyerurl:3377</URL>
        </BrowserFormPost>
    </PunchOutSetupRequest>
</Request>
</cXML>
```
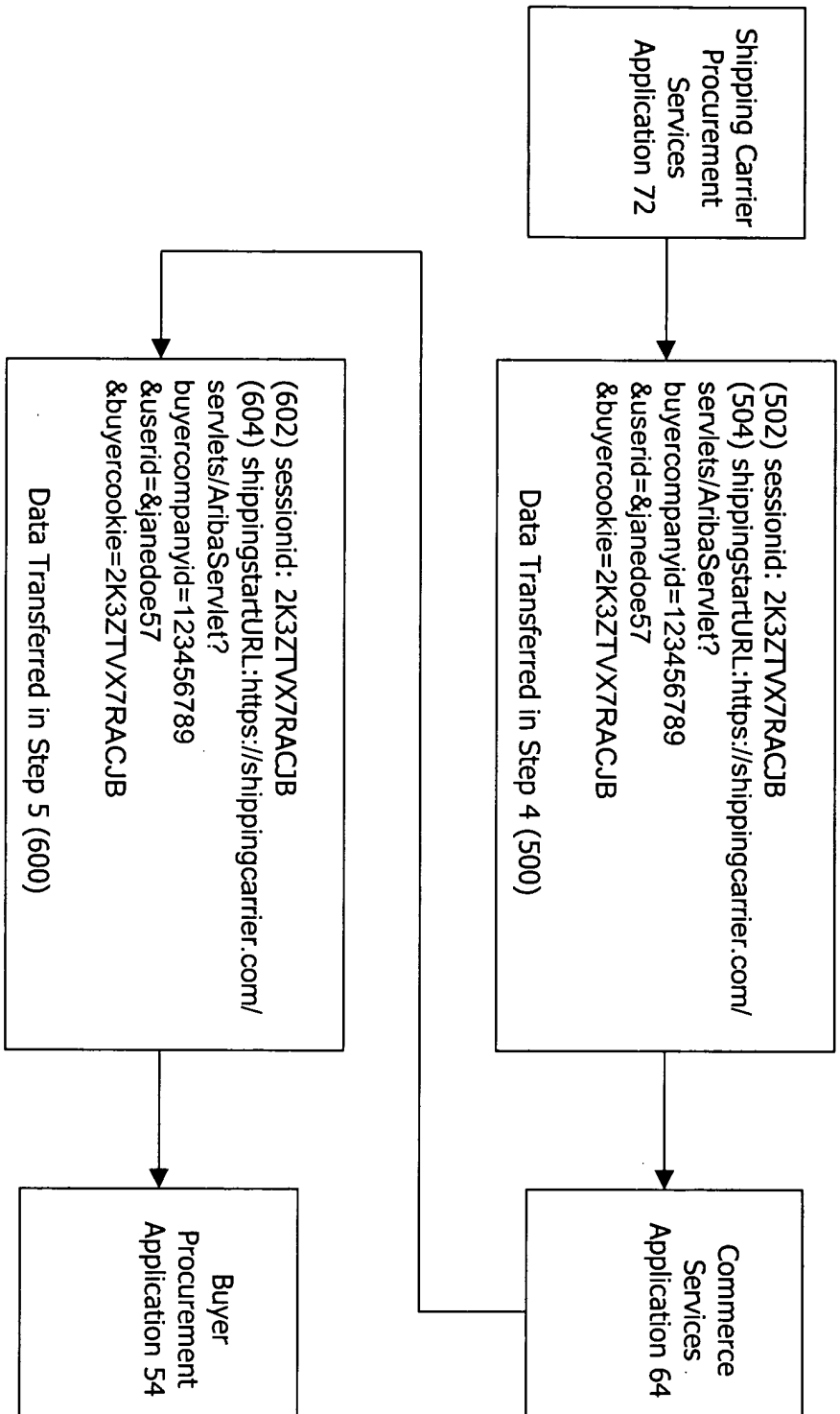
Fig. 7

Title of Invention: Method and System for Providing
a Shipping Label Via an Electronic Procurement
System
Inventor(s) Name: Mundy
Attorney Docket Number: 18360/269090

Fig. 8

```
<!DOCTYPE cXML SYSTEM "http://xml.cxml.org/schemas/cXML/1.1.009/cXML.dtd">
<cXML payloadID="070403.654321.223917@anycompany.com" timestamp="2003-07-
04T11:53:10-07:00">
<Response>
   <Status code="200" text="success"/>
   <PunchOutSetupResponse>
      <BuyerCookie>2K3ZTVX7RACJB</BuyerCookie>
      <StartPage>
         <URL>https://shippingcarrier.com/servlets/AribaServlet?buyercompanyid=123456789&userid=&janedoe57&buyer
cookie=2K3ZTVX7RACJB</URL>
      </StartPage>
   </PunchOutSetupResponse>
</Response>
</cXML>
```

Fig. 9

Title of Invention: Method and System for Providing
a Shipping Label Via an Electronic Procurement
System
Inventor(s) Name: Mundy
Attorney Docket Number: 18360/269090

BACK | FWD | RELOAD | HOME

Location: https://shippingcarrier.com/servlets/AribaServlet?buyercompanyid=123456789&userid=8janedoe57&buyercookie=2K3ZTVX7RACJB

100

Purchase Shipping Services For Any Company

710 — Level of Service: ☒ Standard ☐ Upgraded ☐ Deluxe

715 — Package Weight 18 ☒ Pounds ☐ Kilograms

720 — Ship To: Name John T. Smith

Address 1 1234 Elm Street

Address 2

City Somewhere State AK

Zipcode 99500

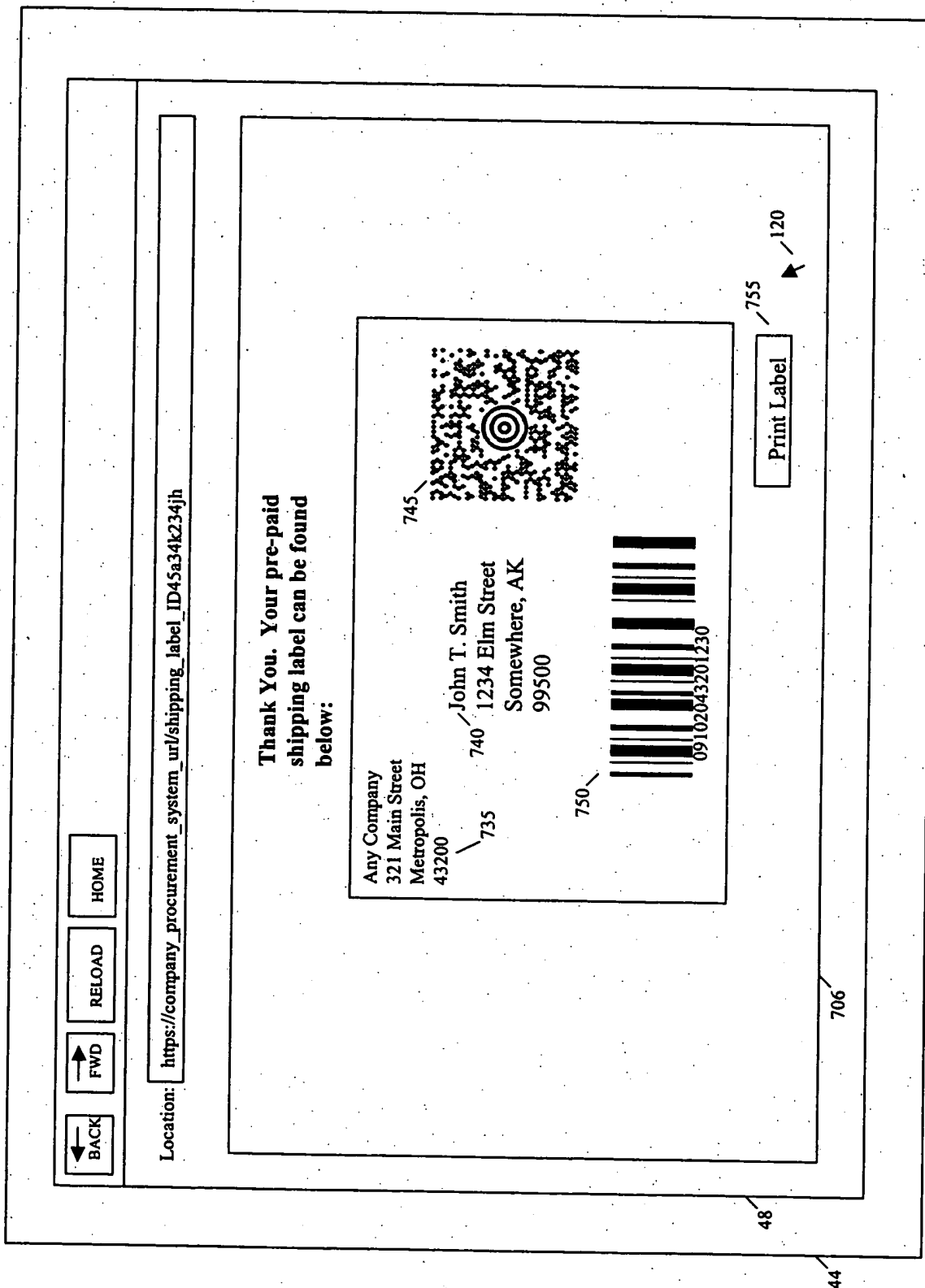725 — Do you have additional packages to ship? ☐ Yes ☒ No

730

SHIP

120

705

48

44

Fig. 10

BACK | FWD | RELOAD | HOME

Location: https://company_procurement_system_url/shipping_label_ID45a34k234jh

Thank You. Your pre-paid shipping label can be found below:

Any Company
321 Main Street
Metropolis, OH
43200 — 735

740 — John T. Smith
1234 Elm Street
Somewhere, AK
99500

745 —

750 —

0910204320 1230

755 —

Print Label

120

706

48

44

Fig. 11

Shipping Carrier
Procurement
Services
Application 70

(802) sessionid: 2K3ZTVX7RACJB

(804) Transaction Detail Data

(804a) ship_to_address: John T. Smith
1234 Elm Street
Somewhere, AK
99500

(804b) tracking_number: 9zzd30fp2055
(804c) package_weight: 18lb
(804d) service_level: standard
(804e) shipping_charges: 15.00USD

Data Transferred in Step 9 (800)

Buyer
Procurement
Application 54
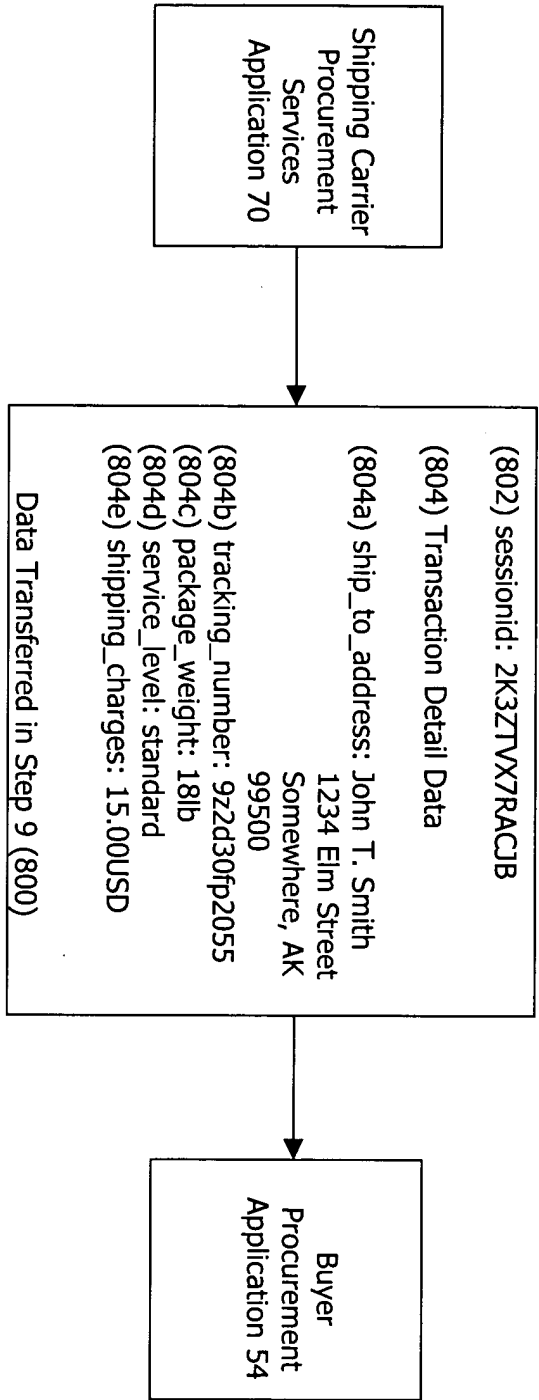
Fig. 12

Title of Invention: Method and System for Providing
a Shipping Label Via an Electronic Procurement
System
Inventor(s) Name: Mundy
Attorney Docket Number: 18360/269090

```
<!DOCTYPE cXML SYSTEM "http://xml.cxml.org/schemas/cXML/1.1.009/cXML.dtd">
<cXML payloadID="070403.654321.713652@anycompany.com"
timestamp="2003-07-04T11:54:12-07:00">
<Header>
  <From>
    <Credential domain="DUNS">
      <Identity>987654321</Identity>
    </Credential>
  </From>
  <To>
    <Credential domain="DUNS">
      <Identity>123456789</Identity>
    </Credential>
  </To>
  <Sender>
    <Credential domain="www.shippingcarrier.com">
      <Identity>PunchoutResponse</Identity>
    </Credential>
    <UserAgent>Shipping Carrier Buyer Services</UserAgent>
  </Sender>
</Header>
<Message>
  <PunchOutOrderMessage>
    <BuyerCookie>2K3ZTVX7RACJB</BuyerCookie>
    <PunchOutOrderMessageHeader operationAllowed="create">
      <Total>
        <Money currency="USD">15.00</Money>
      </Total>
    </PunchOutOrderMessageHeader>
    <Extrinsic name="Shiptoname">John T. Smith</Extrinsic>
    <Extrinsic name="Shiptoaddr1">1234 Elm Street</Extrinsic>
    <Extrinsic name="Shiptocity">Somewhere</Extrinsic>
    <Extrinsic name="Shiptostate">AK</Extrinsic>
    <Extrinsic name="Shiptozip">99500</Extrinsic>
    <Extrinsic name="Trackingnum">9z2d30fp2055</Extrinsic>
    <Extrinsic name="Packageweight">18 lb.</Extrinsic>
    <Extrinsic name="Servicelevel">Standard</Extrinsic>
  </PunchOutOrderMessage>
</Message>
</cXML>
```

Fig. 13

- Request Type- Create Label, Void Label
- Request Option- Validate Ship To address or not
- Description of Goods- for international shipments.
- Documents Only- for international shipments indicating non-dutiable shipment
- Shipper Name
- Shipper Attention Name
- Shipper Account Number
- Shipper's Tax ID Number- for international shipments
- Shipper's Phone Number
- Shipper's Phone Number Country Code
- Shipper Address 1
- Shipper Address 2
- Shipper Address 3
- Shipper City
- Shipper State or Province Code
- Shipper Postal Code
- Shipper Country Code
- Ship To Company Name
- Ship To Attention Name
- Ship To Tax ID
- Ship To Phone Number
- Ship To Phone Country Code
- Ship To Address 1
- Ship To Address 2
- Ship To Address 3
- Ship To City
- Ship To State or Province Code
- Ship To Postal Code
- Ship To Country Code
- Ship To Residential Address indicator
- Ship From Information
- Bill To Shipper Number
- Bill To Credit Card Type
- Bill To Credit Card Number
- Bill To Credit Card Expiration Date
- Bill To Third Party Shipper Number
- Bill To Third Party Shipper Address, City, State....
- Freight Collect Account Number
- Freight Collect Account Address, City, State....
- Shipment Reference Number
- Shipment Service Code/Service Level
- Shipment Service Code Description
- Alternate Delivery Time
- Commercial Invoice Total – for international commercial invoice

- Invoice Total Currency Code
- Invoice Monetary Value
- Saturday Delivery Option
- On Call Air Option
- On Call Air Pickup Date
- On Call Air Earliest Time Ready
- On Call Air Latest Time Ready
- OCA Pickup Suite ID
- OCA Pickup Floor ID
- OCA Location
- OCA Contact Name
- OCA Contact Phone Number
- OCA Phone Country Code
- COD Service Option
- COD Funds Code
- COD Currency Code
- COD Monetary Value
- Tracking System Notification Type Indicator
- Tracking System Email Message
- Tracking System Email Message Email ID
- Tracking System Email Message Email ID Undeliverable ID
- Package Type Code – Letter, Pak, Customer Package
- Package Type Description
- Package Dimensions Unit of Measurement
- Unit of Measurement Description
- Package Dimension Length
- Package Dimension Height
- Package Dimension Width
- Package Weight Unit of Measurement
- Package Weight Unit of Measurement Description
- Package Weight
- Package Oversize Indicator
- Package Reference Type Code
- Package Reference Number Value
- Additional Handling Indicator
- Delivery Confirmation Type Indicator
- Delivery Confirmation Number
- Insured Value Currency Code
- Insured Value Monetary Value
- COD Code
- COD Funds Code – Check, Money Order
- COD Amount Currency Code
- COD Amount Monetary Value
- Verbal Confirmation Contact Name
- Verbal Confirmation Contact Phone Number
- Label Print Method Code
- Label Print Method Description
- Label Stock Unit of Measurement Description
- Label Stock Height
- Label Stock Width
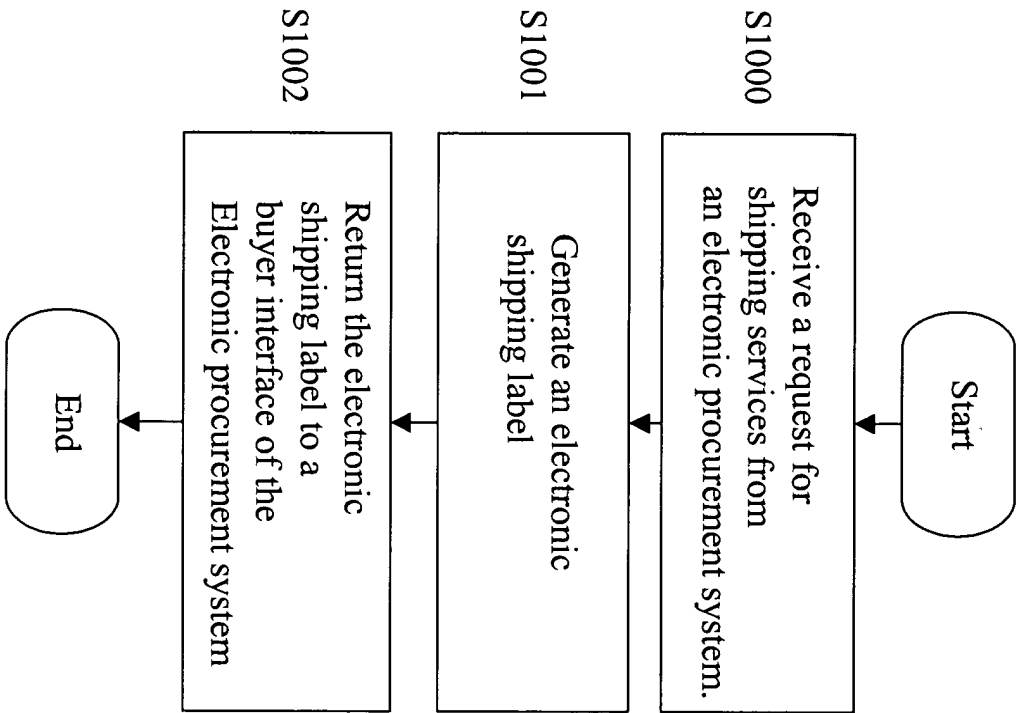- Label Image Format Code
- Label Image Format Description

Fig. 14

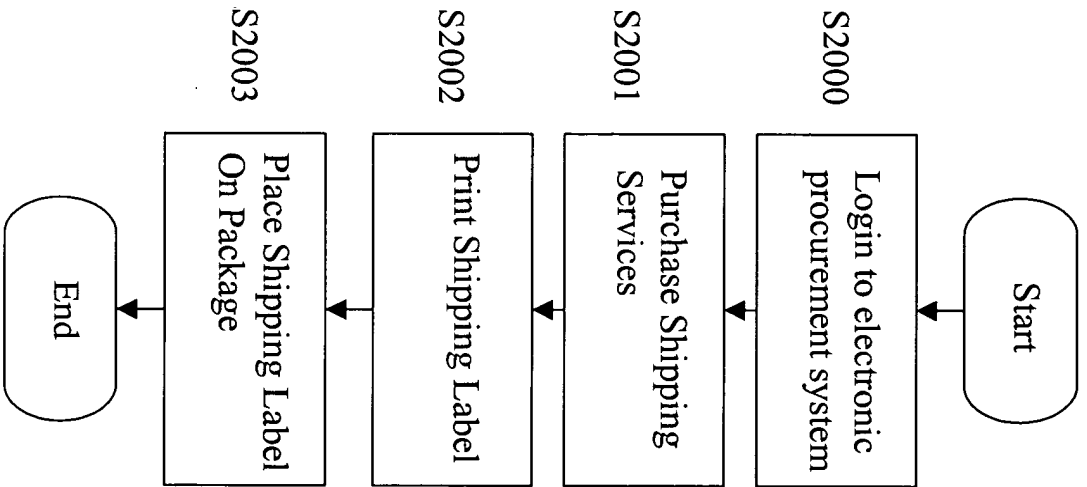Title of Invention: Method and System for Providing
a Shipping Label Via an Electronic Procurement
System
Inventor(s) Name: Mundy
Attorney Docket Number: 18360/269090

Start

S1000 — Receive a request for shipping services from an electronic procurement system.

S1001 — Generate an electronic shipping label

S1002 — Return the electronic shipping label to a buyer interface of the Electronic procurement system

End

Fig. 15

Start

S2000 — Login to electronic procurement system

S2001 — Purchase Shipping Services

S2002 — Print Shipping Label

S2003 — Place Shipping Label On Package

End

Fig. 16